

Name: _____

p1103: Expand Product of Linear Binomials (v6)

Question 1

Expand the product of linear binomials. $(x + 5)(x + 8)$

$$x^2 + 8x + 5x + 40$$

$$x^2 + 13x + 40$$

Question 2

Expand the product of linear binomials. $(x - 3)(x + 2)$

$$x^2 + 2x - 3x - 6$$

$$x^2 - x - 6$$

Question 3

Expand the product of linear binomials. $(x - 8)(x - 6)$

$$x^2 - 6x - 8x + 48$$

$$x^2 - 14x + 48$$

Question 4

Expand the product of linear binomials. $(x + 7)(2x + 9)$

$$2x^2 + 9x + 14x + 63$$

$$2x^2 + 23x + 63$$

Question 5

Expand the product of linear binomials. $(-3x - 7)(-2x + 5)$

$$6x^2 - 15x + 14x - 35$$

$$6x^2 - x - 35$$

Question 6

Expand the product of linear binomials. $(x - 1)(x + 3)$

$$x^2 + 3x - x - 3$$

$$x^2 + 2x - 3$$

Question 7

Expand the product of linear binomials. $(2x + 3)(-2x + 2)$

$$-4x^2 + 4x - 6x + 6$$

$$-4x^2 - 2x + 6$$

Question 8

Expand the product of linear binomials. $(x + 6)(x - 7)$

$$x^2 - 7x + 6x - 42$$

$$x^2 - x - 42$$

Question 9

Expand the product of linear binomials. $(4x + 2)(3x + 6)$

$$12x^2 + 24x + 6x + 12$$

$$12x^2 + 30x + 12$$

Question 10

Expand the product of linear binomials. $(-4x - 4)(9x + 4)$

$$-36x^2 - 16x - 36x - 16$$

$$-36x^2 - 52x - 16$$